



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

West Central Regional Office

3019 Peters Creek Road, Roanoke, Virginia 24019

(540) 562-6700 Fax (540) 562-6725

www.deq.virginia.gov

August 12, 2008

L. Preston Bryant, Jr.
Secretary of Natural Resources

David K. Paylor
Director

Steven A. Dietrich
Regional Director

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mr. Pete Slate
Town of Stuart
PO Box 422
Stuart, VA 24171

Re: **VPDES Permit No. VA0022985, Reissuance
Town of Stuart WWTP**

Dear Mr. Slate:

Your VPDES permit is enclosed. A Discharge Monitoring Report (DMR) form is included with the permit. Please make additional copies of the DMR for future use. The first DMR required by this permit for the month of **September** is due by **October 10, 2008**. If you still have DMR data to report as required by the previous permit, please submit it as an attachment to the first DMR required by this permit. Monitoring results on the DMRs should be reported to the same number of significant digits as are included in the permit limit for the parameter. Please send DMRs to:

Virginia Department of Environmental Quality
West Central Regional Office
3019 Peters Creek Road
Roanoke, VA 24019-2738

Note that DEQ has launched an e-DMR program that allows you to submit the effluent data electronically. If you are interested in participating in this program please visit the following website for details: <http://www.deq.virginia.gov/water/edmrfaq.html>

Permit No. VA0022985
Town of Stuart WWTP
Page 2 of 2

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have thirty days from the date of service (the date you actually received this decision or the date it was mailed to you, whichever occurred first) within which to appeal this decision by filing a notice of appeal in accordance with the Rules of the Supreme Court of Virginia with the Director, Department of Environmental Quality. In the event that this decision is served on you by mail, three days are added to that period.

Alternatively, any owner under Section 62.1 - 44.16, 62.1 - 44.17, and 62.1 - 44.19 of the State Water Control Law aggrieved by any action of the State Water Control Board taken without a formal hearing, or by inaction of the Board, may demand in writing a formal hearing of such owner's grievance, provided a petition requesting such hearing is filed with the Board. Said petition must meet the requirements set forth in 9 VAC 25-230-130.B of Procedural Rule 1. In cases involving actions of the Board, such petition must be filed within thirty days after notice of such action is mailed to such owner by certified mail.

If you have questions about the permit, please call Becky L. France at (540) 562-6793.

Sincerely,



Robert J. Weld
Deputy Regional Director
West Central Regional Office

Enclosures: Permit No. VA0022985, Discharge Monitoring Report

cc: DEQ-OWPP
Department of Health – Danville Regional Office
EPA – Region III-3WP12

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
DISCHARGE MONITORING REPORT(DMR)

Municipal Minor 09/16/2008
DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

West Central Regional Office
3019 Peters Creek Road

Roanoke VA 24019

VA0022985	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD			
YEAR	MO	DAY	TO

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

NAME Stuart Town - Sewage Treatment Plant
ADDRESS PO Box 422
Stuart VA 24171
FACILITY LOCATION 709 Commerce Street

FROM

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
001 FLOW	REPORTD			*****	*****	*****			
	REQRMNT	0.6		*****	*****	*****		CONT	REC
002 PH	REPORTD	*****		*****	*****	*****			
	REQRMNT	*****		6.0	*****	9.0	SU	1/DAY	GRAB
003 BOD5	REPORTD			*****					
	REQRMNT	63	KG/D	*****	28	42	MG/L	3D/W	8HC
004 TSS	REPORTD			*****					
	REQRMNT	68	KG/D	*****	30	45	MG/L	3D/W	8HC
005 CL2, TOTAL	REPORTD	*****		*****					
	REQRMNT	*****		*****	0.069	0.084	MG/L	1/DAY	GRAB
080 TEMPERATURE, WATER (DEG. C)	REPORTD	*****		*****	*****				
	REQRMNT	*****		*****	*****	NL	C	1/DAY	IS
157 CL2, TOTAL CONTACT	REPORTD	*****		*****	*****	*****			
	REQRMNT	*****		1.0	*****	*****	MG/L	3/DAY	GRAB
213 CL2, INST TECH MIN LIMIT	REPORTD	*****		*****	*****	*****			
	REQRMNT	*****		0.6	*****	*****	MG/L	3/DAY	GRAB

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE		DATE				
				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR MO. DAY			
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE					
				TYPED OR PRINTED NAME	SIGNATURE	YEAR MO. DAY				

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
DISCHARGE MONITORING REPORT(DMR)

Municipal Minor 09/16/2008
DEPT. OF ENVIRONMENTAL QUALITY
 (REGIONAL OFFICE)
 West Central Regional Office
 3019 Peters Creek Road
 Roanoke VA 24019

VA0022985	S01
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
YEAR MO DAY	YEAR MO DAY
TO	

NAME Stuart Town - Sewage Treatment Plant
 ADDRESS PO Box 422
 Stuart VA 24171
 FACILITY 709 Commerce Street
 LOCATION

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
 BEFORE COMPLETING THIS FORM.

FROM

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
672 SOLIDS, TOTAL, SLUDGE AS PERCENT	REPORTD *****	*****		*****		*****			
	REQRMNT *****	*****		*****	NL	*****		1/YR	COMP
673 TKN, SLUDGE, DRY WEIGHT (MG/KG)	REPORTD *****	*****		*****		*****			
	REQRMNT *****	*****		*****	NL	*****		1/YR	COMP
674 AMMONIUM-N, SLUDGE DRY WEIGHT (MG/KG)	REPORTD *****	*****		*****		*****			
	REQRMNT *****	*****		*****	NL	*****		1/YR	COMP
675 NITRATE, TOTAL, SLUDGE (AS N)	REPORTD *****	*****		*****		*****			
	REQRMNT *****	*****		*****	NL	*****		1/YR	COMP
676 PHOSPHORUS, TOTAL, SLUDGE	REPORTD *****	*****		*****		*****			
	REQRMNT *****	*****		*****	NL	*****		1/YR	COMP
677 POTASSIUM, TOTAL, SLUDGE	REPORTD *****	*****		*****		*****			
	REQRMNT *****	*****		*****	NL	*****		1/YR	COMP
678 ALKALINITY, SLUDGE AS %	REPORTD *****	*****		*****		*****			
	REQRMNT *****	*****		*****	NL	*****		1/YR	COMP
680 ARSENIC, SLUDGE	REPORTD *****	*****		*****		75			
	REQRMNT *****	*****		*****	41	75		1/YR	COMP

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

DH Hill Site

OPERATOR IN RESPONSIBLE CHARGE			DATE	
TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	YEAR	MO. DAY
BYPASSES AND OVERFLOWS				
TYPED OR PRINTED NAME		SIGNATURE	CERTIFICATE NO.	YEAR MO. DAY
PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE	
TYPED OR PRINTED NAME		SIGNATURE	YEAR MO. DAY	

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DEPARTMENT OF ENVIRONMENTAL QUALITY
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DISCHARGE MONITORING REPORT(DMR)

Municipal Minor 09/16/2008
DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

NAME Stuart Town - Sewage Treatment Plant
ADDRESS PO Box 422
Stuart VA 24171

VA0022985
PERMIT NUMBER
S01
DISCHARGE NUMBER

West Central Regional Office
3019 Peters Creek Road

FACILITY LOCATION 709 Commerce Street

Roanoke VA 24019

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

FROM

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	UNITS		
681 MOLYBDENUM, SLUDGE	*****	*****	*****	*****	*****			
	*****	*****	*****	*****	*****	MG/KG	1/YR	COMP
682 ZINC, SLUDGE	*****	*****	*****	*****				
	*****	*****	*****	*****	2800	MG/KG	1/YR	COMP
683 LEAD, SLUDGE	*****	*****	*****	*****				
	*****	*****	*****	*****	300	MG/KG	1/YR	COMP
684 NICKEL, SLUDGE	*****	*****	*****	*****				
	*****	*****	*****	*****	420	MG/KG	1/YR	COMP
685 MERCURY, SLUDGE	*****	*****	*****	*****				
	*****	*****	*****	*****	17	MG/KG	1/YR	COMP
686 COPPER, SLUDGE	*****	*****	*****	*****				
	*****	*****	*****	*****	1500	MG/KG	1/YR	COMP
687 CADMIUM, SLUDGE	*****	*****	*****	*****				
	*****	*****	*****	*****	39	MG/KG	1/YR	COMP
688 LEVEL OF PATHOGEN REQUIREMENT'S ACHIEVED	*****	*****	*****	*****	*****			
	*****	*****	*****	*****	*****	STCL#	1/YR	*****

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
DH Hill Site

BYPASSES AND OVERFLOWS		TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE		DATE			
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)		TYPED OR PRINTED NAME		SIGNATURE		CERTIFICATE NO.		YEAR	MO.	DAY
		PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		SIGNATURE		TELEPHONE				
		TYPED OR PRINTED NAME		SIGNATURE		YEAR		MO.	DAY	

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
DISCHARGE MONITORING REPORT(DMR)

Municipal Minor 09/16/2008
DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

West Central Regional Office
3019 Peters Creek Road

Roanoke VA 24019

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

VA0022985	S01				
PERMIT NUMBER	DISCHARGE NUMBER				
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

FROM

NAME Stuart Town - Sewage Treatment Plant

ADDRESS PO Box 422

Stuart

VA 24171

FACILITY LOCATION 709 Commerce Street

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	UNITS		
689 DESCRIPTION OF PATHOGEN OPTION USED	REPORTD *****	*****		*****	*****			
	REQRMNT *****	*****		*****	*****		1/YR	*****
690 VECTOR ATTRACTION REDUCTION OPTION USED	REPORTD *****	*****		*****	*****			
	REQRMNT *****	*****		*****	*****		1/YR	*****
697 SELENIUM, SLUDGE	REPORTD *****	*****		*****	*****			
	REQRMNT *****	*****		*****	*****		1/YR	*****
698 PH, SLUDGE	REPORTD *****	*****		*****	*****			
	REQRMNT *****	*****		*****	*****		1/YR	*****
699 PLANT AVAILABLE NITROGEN	REPORTD *****	*****		*****	*****			
	REQRMNT *****	*****		*****	*****		1/YR	CALC
	REPORTD							
	REQRMNT						*****	
	REPORTD							
	REQRMNT						*****	
	REPORTD							
	REQRMNT						*****	

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
DH Hill Site

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE		DATE						
				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY			
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE						
				TYPED OR PRINTED NAME	SIGNATURE	YEAR	MO.	DAY				

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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
DISCHARGE MONITORING REPORT(DMR)

Municipal Minor 09/16/2008
DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

NAME Stuart Town - Sewage Treatment Plant
ADDRESS PO Box 422
Stuart VA 24171

VA0022985
PERMIT NUMBER
SF1
DISCHARGE NUMBER

West Central Regional Office
3019 Peters Creek Road

FACILITY LOCATION 709 Commerce Street

Roanoke

VA 24019

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

FROM

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
002 PH	*****	*****			*****					
	*****	*****		NL	*****	NL	SU		1/3 YR	COMP
767 CATION EXCHANGE CAPACITY (MEQ/100G)	*****	*****		*****		*****				
	*****	*****		*****	NL	*****	MEQCG		1/3 YR	COMP
769 MAGNESIUM, EXCHANGEABLE (MG/KG)	*****	*****		*****		*****				
	*****	*****		*****	NL	*****	MG/KG		1/3 YR	COMP
770 POTASSIUM, EXCHANGEABLE (MG/KG)	*****	*****		*****		*****				
	*****	*****		*****	NL	*****	MG/KG		1/3 YR	COMP
772 PHOSPHORUS, AVAILABLE (MG/KG)	*****	*****		*****		*****				
	*****	*****		*****	NL	*****	MG/KG		1/3 YR	COMP

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE		DATE				
				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR MO. DAY			
				PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE				
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COMMONWEALTH OF VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
DISCHARGE MONITORING REPORT(DMR)

PERMITTEE NAME/ADDRESS(INCLUDE
FACILITY NAME/LOCATION IF DIFFERENT)

NAME Stuart Town - Sewage Treatment Plant
ADDRESS PO Box 422
Stuart VA 24171

FACILITY 709 Commerce Street
LOCATION

Municipal Minor

09/16/2008

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

West Central Regional Office
3019 Peters Creek Road

Roanoke

VA 24019

VA0022985	SP1
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS
BEFORE COMPLETING THIS FORM.

FROM

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
691 ANNUAL AMT SLUDGE DISPOSED BY OTHER MTHD	*****			*****	*****	*****			
	*****	NL	MTNYR	*****	*****	*****		1/YR	CALC
692 ANNUAL AMT SLUDGE INCINERATED	*****			*****	*****	*****			
	*****	NL	MTNYR	*****	*****	*****		1/YR	CALC
693 ANNUAL SLUDGE PRODUCTION TOTAL	*****			*****	*****	*****			
	*****	NL	MTNYR	*****	*****	*****		1/YR	CALC
694 ANNUAL AMT SLUDGE LAND APPLIED	*****			*****	*****	*****			
	*****	NL	MTNYR	*****	*****	*****		1/YR	CALC
695 ANNUAL AMT SLUDGE DISPOSED SURFACE UNIT	*****			*****	*****	*****			
	*****	NL	MTNYR	*****	*****	*****		1/YR	CALC
696 ANNUAL AMT SLUDGE DISPOSED IN LANDFILL	*****			*****	*****	*****			
	*****	NL	MTNYR	*****	*****	*****		1/YR	CALC
	REPORTD								
	REQRMNT							*****	
	REPORTD								
	REQRMNT							*****	

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BODS(K.G.)	OPERATOR IN RESPONSIBLE CHARGE			DATE					
				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY			
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				TYPED OR PRINTED NAME	SIGNATURE	TELEPHONE	YEAR	MO.	DAY			



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Permit No. **VA0022985**
Effective Date: August 21, 2008
Expiration Date: July 5, 2013

AUTHORIZATION TO DISCHARGE UNDER THE VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM

AND

THE VIRGINIA STATE WATER CONTROL LAW

In compliance with the provisions of the Clean Water Act as amended and pursuant to the State Water Control Law and regulations adopted pursuant thereto, the following owner is authorized to discharge in accordance with the information submitted with the permit application, and with this permit cover page, and Parts I and II of this permit as set forth herein.

Owner Name: Town of Stuart
Facility Name: Town of Stuart WWTP
City: Stuart
County: Patrick
Facility Location: 709 Commerce Street

The owner is authorized to discharge to the following receiving stream:

Stream Name: South Mayo River
River Basin: Roanoke River
River Subbasin: Roanoke River
Section: 3g
Class: IV
Special Standards: None

A handwritten signature in black ink, appearing to read "Robert J. Weld".

Robert J. Weld
Deputy Regional Director

8/11/08
Date

A. Limitations and Monitoring Requirements

1. During the period beginning with the effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall number 001. This discharge shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>	
	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Minimum</u>	<u>Maximum</u>	<u>Frequency Continuous</u>	<u>Sample Type Recorded</u>
Flow (MGD) ^a	NL	NA	NA	NL		
pH (Standard Units)	NA	NA	6.0	9.0	1/Day	Grab
BOD ₅ ^b	28 mg/L 63 kg/d	42 mg/L 95 kg/d	NA	NA	3 Days/Week	8 HC
Total Suspended Solids ^b	30 mg/L 68 kg/d	45 mg/L 102 kg/d	NA	NA	3 Days/Week	8 HC
Temperature	NA	NA	NA	NL °C	1/Day	Grab
Total Residual Chlorine ^{b,c}	0.069 mg/L	0.084 mg/L	NA	NA	1/Day	Grab
NL = No Limitation with monitoring required		NA = Not Applicable		8 HC = 8 hour composite		

- a. The design flow of this treatment facility is 0.60 MGD.
- b. See Part I.C.1 for quantification levels and reporting requirements.
- c. See Part I.B for additional total residual chlorine monitoring requirements..
- d. There shall be no discharge of floating solids or visible foam in other than trace amounts.
- e. At least 85% removal for BOD₅ and TSS must be attained for this effluent.

A. Limitations and Monitoring Requirements

2. **Sewage Sludge Limitations and Monitoring Requirements** — During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to manage sewage sludge according to the approved Sludge Management Plan (SMP). The pollutants in sewage sludge shall be limited and monitored by the permittee as specified below:

a. Annual Sludge Production Data

Report annual total amount of sludge produced, in dry metric tons, including units and annual amount of sludge used or disposed in various methods (if applicable).

b. Chemical Pollutant Limitations

SLUDGE CHARACTERISTICS	LIMITATIONS (mg/kg)*		MONITORING REQUIREMENTS	
	Ceiling Concentration	Maximum Monthly Average	Frequency	Sample Type
Percent Solids	NA	NL	1/Year	Composite
Total Arsenic	75	41	1/Year	Composite
Total Cadmium	85	39	1/Year	Composite
Total Copper	4,300	1,500	1/Year	Composite
Total Lead	840	300	1/Year	Composite
Total Mercury	57	17	1/Year	Composite
Total Molybdenum	75	NA	1/Year	Composite
Total Nickel	420	420	1/Year	Composite
Total Selenium	100	100	1/Year	Composite
Total Zinc	7,500	2,800	1/Year	Composite

A. Limitations and Monitoring Requirements

b. Chemical Pollutant Limitations (Continued)

<u>SLUDGE CHARACTERISTICS</u>	<u>LIMITATIONS *</u>	<u>MONITORING REQUIREMENTS</u>
TKN (mg/kg)	NL	Frequency 1/Year Sample Type Composite
Ammonium Nitrogen (mg/kg)	NL	1/Year Composite
Nitrate Nitrogen (mg/kg)	NL	1/Year Composite
Total Phosphorus (P) (mg/kg)	NL	1/Year Composite
Total Potassium (K) (mg/kg)	NL	1/Year Composite
pH (Standard Units at 25°C)	NL	1/Year Composite
Alkalinity as CaCO ₃ , (%) **	NL	1/Year Composite
PAN (lbs/dry ton)	NL	1/Year Calculated

Notes:

- NL = No limitation, monitoring required: NA = Not Applicable
 * Dry weight basis, unless otherwise stated.
 ** Lime treated sludge (10% or more CaCO₃ by dry weight) should be analyzed for percent Calcium Carbonate Equivalence (CCE).

- c. Pathogen Reduction Limitations: The permittee shall demonstrate the Class B pathogen reduction of sewage sludge by either method listed in paragraphs I.A.3 c (1) or I.A.3 c (2) below:
 Class B, Alternative 2, aerobic digestion — Sewage sludge is agitated with air or oxygen to maintain aerobic conditions for a specific mean cell residence time at a specific temperature. Values for the mean cell residence time and temperature shall be between 40 days at 20 degrees Celsius and 60 days at 15 degrees Celsius. Alternative methods of reduction may be used, but must comply with 9 VAC 25-31-710 (Pathogen Reduction).
 d. Vector Attraction Reduction Limitations: Option 4 — The specific Oxygen Uptake Rate (SOUR) shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. Alternative methods may be used, but must comply with 9 VAC 25-31-720 (Vector Attraction Reduction).
 e. All samples shall be collected and analyzed in accordance with the approved Nutrient Management Plan.

A. Limitations and Monitoring Requirements

3. **Soil Monitoring Requirements** — During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to manage sewage sludge in accordance with the Nutrient Management Plan.

The pollutants in soil shall be limited and monitored by the permittee as specified below:

<u>PARAMETERS</u>	<u>FREQUENCY</u>	<u>SAMPLE TYPE</u>
Soil pH (S.U.)	1/3 Years	Composite
Cation Exchange Capacity (meq/100 g)	1/3 Years	Composite
Available Phosphorous (mg/kg)	1/3 Years	Composite
Exchangeable Potassium (mg/kg)	1/3 Years	Composite
Exchangeable Magnesium (mg/kg)	1/3 Years	Composite

- a. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations: All land application sites before sludge is reapplied.
- b. Soil composite samples shall be representative of the soil types delineated by the SCS Soil Survey (or the equivalent). Samples shall be taken at 0-6 inches soil depth for each land application site. Sampling shall be performed as outlined in the Nutrient Management Plan.
- c. Unless otherwise stated, all parameters are reported on a dry weight basis.

B. Total Residual Chlorine (TRC) Limitations and Monitoring Requirements

1. The permittee shall monitor TRC at the outlet of the chlorine contact tank 3/day at 4-hour intervals by grab sample.
2. No more than 9 of total monthly samples taken at the outlet of the chlorine contact tank shall be less than 1.0 mg/L for any one calendar month [DMR Code # 157].
3. No TRC sample collected at the outlet of the chlorine contact tank shall be less than 0.6 mg/L [DMR Code # 213].
4. If dechlorination facilities exist the samples above shall be collected prior to dechlorination.
5. If chlorine disinfection is not used, E. coli shall be limited and monitored by the permittee as specified below:

	DISCHARGE LIMIT		MONITORING REQUIREMENTS	
	<u>Monthly Ave OR</u>	<u>Single Sample Max</u>	<u>Frequency</u>	<u>Sample Type</u>
<u>E. coli</u>	126 cfu / 100 mL (geometric mean)	NA	1/week between 10 am and 4 pm	Grab

The above requirements, if applicable, shall substitute for the TRC requirements delineated in Part I.B and shall replace the TRC limits given in Part I.A. Any values above the quantifiable level shall be used in the geometric mean calculation as the quantification level and the resulting geometric mean shall be reported as ">" the calculated value.

C. Special Conditions

1. **Compliance Reporting under Part I.A and Part I.B**

a. Quantification Levels

The quantification levels (QLs) shall be as follows:

<u>Effluent Characteristic</u>	<u>Quantification Level</u>
BOD ₅	5.0 mg/L
Total Suspended Solids	1.0 mg/L
Chlorine	0.1 mg/L

C. Special Conditions

1. **Compliance Reporting under Part I.A and Part I.B (Continued)**

b. Reporting

(1) Monthly Average

Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.A and B shall be determined as follows: All concentration data below the QL listed in 1.a above shall be treated as zero. All concentration data equal to or above the QL listed above shall be treated as it is reported. An arithmetic average shall be calculated using all reported data for the month, including the defined zeros. This arithmetic average shall be reported on the Discharge Monitoring Report (DMR) as calculated. If all data are below the QL, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the calculated concentration is <QL, then report "<QL" for the quantity. Otherwise use the concentration data to determine the quantity.

(2) Weekly Average

Compliance with the maximum weekly average limitations and/or reporting requirements for the parameters listed in Part I.A and B shall be determined as follows: All concentration data below the QL listed in 1.a above shall be treated as zero. All concentration data equal to or above the QL shall be treated as reported. An arithmetic average shall be calculated using all reported data, including the defined zeros, collected within each complete calendar week and entirely contained within the reporting month. The maximum value of these weekly averages thus determined shall be reported on the DMR. If all data are below the QL, then the average shall be reported as "<QL". If reporting for quantity is required on the DMR and the calculated concentration is <QL, then report "<QL" for the quantity. Otherwise use the concentration data to determine the quantity.

(3) Any single datum required shall be reported as "<QL" if it is less than the QL listed in 1.a above. Otherwise the numerical value shall be reported.

C. Special Conditions

1. **Compliance Reporting under Part I.A and Part I.B (Continued)**

(4) **Significant Digits**

The permittee shall report at least the same number of significant digits as the permit limit for a given parameter. Regardless of the rounding convention used by the permittee (i.e., 5 always rounding up to or to the nearest even number), the permittee shall use the convention consistently, and shall ensure that consulting laboratories employed by the permittee use the same convention.

2. **95% Capacity Reopener**

A written notice and a plan of action for ensuring continued compliance with the terms of this permit shall be submitted to the West Central Regional Office, 3019 Peters Creek Road, Roanoke, Virginia, 24019, when the monthly average flow influent to the sewage treatment plant reaches 95 percent of the design capacity authorized in this permit for each month of any three consecutive month period. The written notice shall be submitted within 30 days and the plan of action shall be received at the West Central Regional Office **no later than 90 days from the third consecutive month for which the flow reached 95 percent of the design capacity.** The plan shall include the necessary steps and a prompt schedule of implementation for controlling any current or reasonably anticipated problem resulting from high influent flows. Failure to submit an adequate plan in a timely manner shall be deemed a violation of this permit.

3. **Indirect Dischargers**

The permittee shall provide adequate notice to the Department of the following:

- a. Any new introduction of pollutants into the treatment works from an indirect discharger which would be subject to Section 301 or 306 of the Clean Water Act and the State Water Control Law if it were directly discharging those pollutants; and
- b. Any substantial change in the volume or character of pollutants being introduced into the treatment works by a source introducing pollutants into the treatment works at the time of issuance of this permit.

C. Special Conditions

3. **Indirect Dischargers (Continued)**

Adequate notice shall include information on (i) the quality and quantity of effluent introduced into the treatment works, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the treatment works.

4. **CTC, CTO Requirement**

The permittee shall, in accordance with the DEQ Sewage Collection and Treatment Regulation (9 VAC 25-790), obtain a Certificate to Construct (CTC), and Certificate to Operate (CTO) from the DEQ prior to constructing wastewater treatment works and operating the treatment works, respectively. Non-compliance with the CTC or CTO shall be deemed a violation of the permit.

5. **Operations and Maintenance Manual Requirement**

The permittee shall review the existing Operations and Maintenance (O&M) Manual and notify the DEQ Regional Office, in writing by **November 19, 2008**, whether it is still accurate and complete. If the O&M Manual is not longer accurate and complete, a revised O&M Manual shall be submitted for approval to the DEQ Regional Office by **November 19, 2008**. The permittee will maintain an accurate, approved O&M Manual for the sewage treatment works. This manual shall include, but not necessarily be limited to, the following items as appropriate:

- a. Techniques to be employed in the collection, preservation, and analysis of effluent samples (and sludge samples if sludge analyses are required);
- b. Discussion of Best Management Practices, if applicable;
- c. Treatment works design, treatment works operation, routine preventative maintenance of units within the treatment system, critical spare parts inventory and record keeping;
- d. Procedures for handling, storing, and disposing of all wastes, fluids, and pollutants that will prevent these materials from reaching state waters.

Any changes in the practices and procedures followed by the permittee shall be documented and submitted for staff approval within 90 days of the effective date of the changes. Upon approval of the submitted manual changes, the revised manual becomes an enforceable part of the permit. Noncompliance with the O&M Manual shall be deemed a violation of the permit.

C. Special Conditions

6. **Licensed Operator Requirement**

The permittee shall employ or contract at least one Class II licensed wastewater works operator for this facility. The license shall be issued in accordance with Title 54.1 of the Code of Virginia and the regulations of the Board for Waterworks and Wastewater Works Operators. The permittee shall notify the Department in writing whenever he is not complying, or has grounds for anticipating he will not comply with this requirement. The notification shall include a statement of reasons and a prompt schedule for achieving compliance.

7. **Reliability Class**

The permitted treatment works shall meet Reliability Class I requirements.

8. **Sludge Reopener**

The Board may promptly modify or revoke and reissue this permit if any applicable standard for sewage sludge use or disposal promulgated under Section 405(d) of the Clean Water Act is more stringent than any requirements for sludge use or disposal in this permit, or controls a pollutant or practice not limited in this permit.

9. **Sludge Use and Disposal**

The permittee shall conduct all sewage sludge use or disposal activities in accordance with the Sludge Management Plan (SMP) approved with the reissuance of this permit. Any proposed changes in the sewage sludge use or disposal practices or procedures followed by the permittee shall be documented and submitted for DEQ approval 90 days prior to the effective date of the changes. Upon approval, the revised SMP becomes an enforceable part of the permit. The permit may be modified or alternatively revoked and reissued to incorporate limitations or conditions necessitated by substantive changes in sewage sludge use or disposal practices.

10. **Total Maximum Daily Load (TMDL) Reopener**

This permit shall be modified or alternatively revoked and reissued if any approved wasteload allocation procedure, pursuant to Section 303(d) of the Clean Water Act, imposes wasteload allocation, limits, or conditions on the facility that are not consistent with permit requirements.

C. Special Conditions

11. **Water Quality Criteria Monitoring**

The permittee shall monitor the effluent at outfall 001 for the substances noted in Attachment A of the permit according to the indicated analysis number, quantification level, sample type, and frequency. Monitoring data shall be collected once during the permit term after **September 1, 2011** and no later than **September 30, 2012**. Using the Attachment as the reporting form, the data shall be submitted on the 10th of the month following sampling but no later than **October 10, 2012**. Laboratory data summary sheet and chain of custody sheets shall be submitted with Attachment A of the permit to document the laboratory methods used, practicable quantification levels, field collection, and preservation methods. Monitoring and analysis shall be conducted in accordance with 40 CFR Part 136 or alternative EPA approved methods. It is the responsibility of the permittee to ensure that proper QA/QC protocols are followed during the sample gathering and analytical procedures. The DEQ will use these data for making specific permit decisions in the future. This permit may be modified or, alternatively, revoked and reissued to incorporate limits for any of the substances listed in Attachment A.

D. Land Application of Sewage Sludge

1. **Nutrient Management Plan Requirement**

The permittee shall develop a Nutrient Management Plan (NMP) for each land application site and submit the NMP to the DEQ West Central Regional Office for review at least 30 days prior to land application on the site. Copies of the NMP shall be provided to the farmer/ operator of the site, the Department of Conservation and Recreation regional office, and the chief executive officer or designee for the local government, unless they request in writing not to receive the NMP. The NMP shall be enforceable through this permit.

The NMP shall be prepared and revised by a certified nutrient management planner as stipulated in regulations promulgated pursuant to Section 10.1-104.2 of the Code of Virginia. Supplemental commercial fertilizer or manure applications shall be coordinated with the biosolids applications such that the total nutrient application rates are not exceeded as identified in the nutrient management plan.

Where land application of biosolids is to be performed more frequently than once every three years at greater than 50% of the annual agronomic rate; or where the owner or lessee of the land application site is the operator of a confined animal feeding operation in accordance with Section 62.1-44.17:1 of the Code of Virginia; or where site -specific conditions demonstrate an increased risk to state waters as determined by DEQ, the permittee shall submit an NMP that has been approved by the Virginia Department of

D. Land Application of Sewage Sludge

1. **Nutrient Management Plan Requirement (Continued)**

Conservation and Recreation (DCR) with a copy of the approval letter at the time of any permit modification requests to DEQ.

2. **14 Day Notification**

The permit holder shall provide written notification to the DEQ West Central Regional Office at least 14 days prior to commencing land application of sewage sludge at a permitted site. The notice shall contain the following information:

- a. Permitted site identification,
- b. Permitted site location, to include:
 - (1) county
 - (2) route number/ road name
 - (3) latitude/longitude coordinates in decimal degrees
- c. Approximate dates of application, and
- d. Expected sources of biosolids.

3. **Signage Requirements**

At least 48 hours prior to the delivery of biosolids to each land application site, the permittee shall post a sign at the site notifying the public that biosolids will be applied. The sign shall be maintained at the site during the application and for at least 48 hours after the biosolids application has been completed.

- a. The sign shall be visible and legible from the public road adjacent to the field, or the intersection of the public road and the main access road or driveway to the site. Upon the request of the permittee, the Department may grant a waiver to this or any other signage requirement, or require alternative posting options due to extenuating circumstances.
- b. The sign shall be weather-resistant and sturdy enough to remain in place and legible throughout the period that the sign is required at the site. The sign shall be at least four square feet in area and shall only contain the following information:
 - (1) A statement that biosolids are being land-applied at the site;

D. Land Application of Sewage Sludge

3. **Signage Requirements (Continued)**

- (2) The name and telephone number of the permit holder;
- (3) The name or title and telephone number of an individual designated by the permit holder to respond to complaints and inquiries;
- (4) Contact information for the Virginia Department of Environmental Quality West Central Regional office, including a telephone number for complaints and inquiries.

4. **Monthly Activity Report**

The permittee shall submit, either via postal service (postmark) or electronically, a monthly activity report to the Department of Environmental Quality West Central Regional Office, by the 15th day of the month, for land application activities that occurred in the previous calendar month. This monthly report shall not be required for months when no land application activities occurred. The report shall indicate those sites where land application activities took place during the previous month.

The monthly activity report shall include the following information:

- a. Name of permittee, DEQ permit number, and dates of activity.
- b. Name and certificate number of the certified land applicators with a signed statement attesting that they were onsite at the times of the reported applications and that those applications were in compliance with the permit.
- c. Identification of land application site, including the county where taxes are remitted and permitted site identification name, letters and numbers, as appropriate.
- d. The source of biosolids and approximate field area (acres) receiving those biosolids.
- e. The amount of biosolids applied in dry tons and the method and calculations used to determine the reported value.
- f. Dates and type of any interactions with local monitors and names of individuals involved in the interactions.

D. Land Application of Sewage Sludge

4. **Monthly Activity Report (Continued)**

- g. Name of responsible representative of permittee and a statement signed and dated by that representative indicating that the information submitted has been verified by that representative in accordance with Part II.K.
- h. Presentation of the calculation of the total fee.
- i. A summary list of the total amount of biosolids applied and the calculated fee broken down by county, presented in alphabetical order by county.

Complete records of land application activities, including amount of biosolids land applied, shall be maintained for five years after the application in a form that is available for inspection by the Department of Environmental Quality.

5. **Land Application Fee**

As a generator of the biosolids to be land applied, the permittee shall remit to the DEQ a fee of \$7.50 per dry ton of biosolids applied in the Commonwealth of Virginia.

- a. The permittee shall submit a monthly activity report to DEQ by the 15th day of the month for the land application activities of the previous month, in accordance with Part I.E.4. Upon reviewing the report, DEQ will notify the permittee of the fee that is due and set a due date. Under no circumstances shall payment be submitted to DEQ more than 60 days after notification.
- b. Alternately, the permittee may submit the payment based on the calculation in Part I.E.4 with a copy of the monthly activity report to the address listed in Part I.E.5.c.
- c. The check or money order shall be payable to the "Treasurer of Virginia," and mailed with invoice to the following address:

Department of Environmental Quality
Receipts Control
PO Box 1104
Richmond, VA 23218

6. **Annual Land Application Reporting of Sewage Sludge**

The permittee shall provide the results of all monitoring performed in accordance with Part I.A and information on management practices, land application sites, site restrictions (if

D. Land Application of Sewage Sludge

6. **Annual Land Application Reporting of Sewage Sludge (Continued)**

applicable), and appropriate certifications not later than **February 19** of each year to the regional office of the Department of Environmental Quality. Each report is for the previous calendar year's activity. If no sewage sludge was applied to the land during the reporting period, "no sewage sludge was applied" shall be reported.

7. **Certified Land Applier Requirement**

The permittee shall ensure that no land application activities occur unless a certified land applicator (as specified in Article 5 of the VPA Permit Regulation 9 VAC25-32 Section 690 through 760) is onsite at all times during such land application. Certified land applicators may be considered to be onsite if they are at the site permitted for land application and, if it is necessary to leave the site, they are available within 30 minutes to return to the site to verify and ensure that land application of biosolids is in compliance with the permit.

8. **Endangered Species**

Sewage sludge shall not be applied to the land if it is likely to adversely affect a threatened or endangered species listed under Virginia Water Quality Standards Regulation (9 VAC 25-260-10 et seq.) or Section 4 of the Endangered Species Act or if the land application is likely to adversely affect its designated critical habitat.

9. **Additional Land Application Sites**

For land application sites not identified in the approved Sludge Management Plan, the permittee shall submit the site specific information including site plan, soil map, proposed cropping scheme, and soil productivity classes, etc., as outlined in the VPDES Sewage Sludge Permit Application Form Section C.12, and the landowner agreement form(s), 90 days prior to commencing the sludge application, to the regional Department of Environmental Quality office. In addition, a public notice must be advertised by the permittee once in the local newspaper. A copy of the public notice verification must accompany the site specific information package required above.

10. **Planting Schedule following Biosolids Application**

- a. When biosolids are land applied between March 15 and September 1, crop planting following biosolids application should occur within a 30-day period.

D. Land Application of Sewage Sludge

10. **Planting Schedule following Biosolids Application (Continued)**

- b. When biosolids are applied to sites between September 1 and November 6, an agronomically justified crop capable of trapping plant available nitrogen such as small grain shall be planted within 45 days of application of biosolids or prior to November 16, whichever comes first, or an established cool season grass sod or timely planted small grain crop shall be present. The crop planted should be capable of germination and significant growth before the onset of winter so the plant is able to use available nitrogen released by the biosolids.

11. **Slope Restrictions**

Sludge shall not be applied to sites where slopes exceed 15%. During the period of November 16 to March 15 of the following year, when sludge is applied to site slopes between 7% and 15%, one of the following best management practices shall be used to prevent runoff and soil loss:

- a. Sludge is surface applied or subsurface injected beneath an established living crop such as hay, pasture, or timely planted small grain or cover crop;
- b. Sludge is surface applied or subsurface injected so that immediately after application the crop residue still provides at least 60% soil surface coverage; or
- c. Sludge is applied by surface application or subsurface injection and the site is operated in compliance with an existing soil conservation plan approved by the USDA Natural Resource Conservation Service and will remain in compliance after any subsequent tillage operation to incorporate the sludge.

During the period of November 16 to March 15 of the following year, if site slopes between 5% and 7%, sludge can be applied by surface application or subsurface injection followed by:

- a. Incorporation within 48 hours of application if crop residue still provides at least 30% soil surface coverage immediately following incorporation; or
- b. Ridge tilling or chisel plowing within 48 hours of application.

12. **Transport Trucks**

All trucks that transport sludge shall be sufficiently sealed to prevent leaking and spillage of sludge. Totally enclosed, water tight transport vehicles with rigid tops shall be provided

D. Land Application of Sewage Sludge

12. **Transport Trucks (Continued)**

for liquid sludge to prevent spillage. The permittee shall promptly cleanup any track-out of dirt and debris or biosolids from land application site onto public roads as soon as practicable, but no later than the end of each day. In addition to the spill reporting procedures found in Part II.G, the permittee shall promptly report offsite spills of biosolids to the Virginia Department of Health, the chief executive officer or designee for the local government, and the owner of the facility generating the biosolids. Verbal and written notifications shall be made using the same procedures and timeframe found in Part II.G for reporting of spills.

13. **Landowner Consent and Notice**

Valid landowner consent forms shall be maintained for all sites not owned by the permittee, as specified in the Sludge Management Plan. The permittee shall immediately notify the regional office of any change in landowner agreement. The permittee shall provide the owner or leaseholder of the land on which the sludge is applied notice and necessary information to comply with the requirements in this permit. Forms for providing this notice and information are included in the instructions for the sludge use and disposal application filed by the permittee.

14. **Site Restrictions for Land Application of Class B Sewage Sludge**

- a. Food crops with harvested parts that touch the sewage sludge/soil mixture and are totally above the land surface shall not be harvested for 14 months after application of sewage sludge;
- b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of sewage sludge when the sewage sludge remains on the land surface for four months or longer prior to incorporation into the soil;
- c. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of sewage sludge;
- d. Animals shall not be allowed to graze on the land for 30 days after application of sewage sludge;
- e. Turf grown on land where sewage sludge is applied shall not be harvested for one year after application of the sewage sludge when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by the State Water Control Board;

D. Land Application of Sewage Sludge

14. **Site Restrictions for Land Application of Class B Sewage Sludge (Continued)**

- f. Public access to land with a high potential for public exposure shall be restricted for one year after application of sewage sludge;
- g. Public access to land with a low potential for public exposure shall be restricted for 30 days after application of sewage sludge.

15. **Recordkeeping Special Conditions for Land Application of Sewage Sludge**

The permittee is required to retain the following information for at least 5 years:

- a. The concentrations of each pollutant in Part I.A (pages 2 and 3);
- b. A description of how pathogen reduction requirements in Part I.A are met;
- c. A description of how the vector attraction reduction requirements in Part I.A are met;
- d. A description of how the management practices specified in the approved Sludge Management Plan, NMP, and/or this permit are met;
- e. A description of how the site restrictions specified in the approved Sludge Management Plan, NMP, and/or this permit are met;
- f. When submitting the annual land application report and any other reports to DEQ regarding land application activities, the following certification statement shall be included:

"I certify, under penalty of law, that the information that will be used to determine compliance with the pathogen requirements in 9 VAC 25-31-710 B, vector attraction reduction requirements in 9 VAC 25-31-720, the management practices in 9 VAC 25-31-550, and the site restrictions in 9 VAC 25-31-710 B 5 was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

E. Pretreatment

The permittee's conditional pretreatment program has been approved and shall be upgraded to a full program by complying with conditions 6, 8, and 10 below. The program is an enforceable part of this permit. The permittee shall:

1. Implement a pretreatment program that complies with the Clean Water Act, Water Control Law, State regulations and the approved program.
2. **Submit to the DEQ Regional Office an annual report that describes the permittee's program activities over the previous year. The annual report shall be submitted no later than January 31 of each year and shall include:**
 - a. An updated list of Significant Industrial Users* showing the categorical standards and local limits applicable to each;
 - b. A summary of the compliance status of each Significant Industrial User with pretreatment standards and permit requirement;
 - c. A summary of the numbers and types of Significant Industrial User sampling and inspections performed by the POTW;
 - d. All information concerning any interference, upset, VPDES permit or Water Quality Standards violations directly attributable to Significant Industrial Users and the enforcement actions taken to alleviate said events;
 - e. A description of all enforcement actions taken against Significant Industrial Users over the previous 12 months;
 - f. A summary of any changes to the submitted pretreatment program that have not been previously reported to the DEQ Regional Office;
 - g. A summary of the permits issued to Significant Industrial Users since the last annual report;
 - h. POTW and self-monitoring results for Significant Industrial Users determined to be in significant non-compliance during the reporting period;
 - i. Results of the POTW's influent, effluent, and sludge sampling not previously submitted to DEQ;

E. Pretreatment

- j. Copies of newspaper publications of all Significant Industrial Users in significant non-compliance during the reporting period **(due no later than March 31 of each year)**;
 - k. Copies of newspaper publications of all Significant Industrial Users in significant non-compliance during the reporting period **(due no later than March 31 of each year)**;
 - l. Signature of authorized representative.
- 3. **Within 180 days of the effective date of this permit, submit to the DEQ Regional Office a survey of all Industrial Users discharging to the POTW.** The information shall be submitted on the DEQ Discharger Survey Form, or an equivalent form that includes the quantity and quality of the wastewater. Survey results shall include the identification of Significant Industrial Users of the POTW.
 - 4. Submit any changes to the approved pretreatment program to the DEQ Regional Office, and obtain approval before implementation of the changes.
 - 5. Ensure that all Significant Industrial Users' permits are issued/reissued in a timely manner by the POTW and are effective and enforceable.
 - 6. **Within three years of the effective date of this permit, develop and submit procedures for full implementation.** The procedures must address all pretreatment program requirements, including the inspection and sampling of all Significant Industrial Users.

Once the program procedures are approved, inspect and sample all Significant Industrial Users in accordance with the procedures:

 - a. Sampling shall include all regulated parameters, and shall be representative of the wastewater discharged;
 - b. Inspection of the Significant Industrial Users shall cover all areas which could result in wastewater discharge to the treatment works including manufacturing, chemical storage, pretreatment facilities, spill prevention control procedures, hazardous waste generation, and Significant Industrial User's self-monitoring and records.
 - 7. Implement the reporting requirements of Part VII of the VPDES Permit Regulation.

E. Pretreatment

8. **Within three years of the effective date of this permit, develop and submit an Enforcement Response Plan (ERP) that meets State and Federal regulatory requirements.** Once approved, the ERP shall be an enforceable part of this permit and shall be implemented.
9. **Develop local limits or reevaluate local limits using current influent, effluent, and sludge monitoring data and submit the data and results of the evaluation to the DEQ Regional Office within one year of the effective or modification date of the permit.** All Significant Industrial Users shall be sampled at the end of any categorical process and at the entrance to the treatment works.
10. **Within three years of the effective date of this permit, provide documentation that the Town has adequate funding and resources available to implement the full (upgraded) pretreatment program.** The documentation shall identify the program organization and staffing.
11. Meet all public participation requirements and annually public notice Significant Industrial Users in significant non-compliance with pretreatment standards and requirements for the previous 12 months.
12. In lieu of the survey, the permittee may elect to develop, submit for approval and implement the plan to continuously survey the industrial community in the permittee's jurisdiction.
13. The DEQ may require the POTW to institute changes to its pretreatment program:
 - a. If the approved program is not implemented in a way satisfying the requirements of the Clean Water Act, Water Control Law, or State Regulations;
 - b. If problems such as pass-through, interference, Water Quality Standards violations, or sludge contamination develop or continue; and
 - c. If Federal, State or local requirements change.
14. Should DEQ determine that the permittee is not required to have a pretreatment program, the implementation requirement described above may be suspended by DEQ.

E. Pretreatment

* A significant industrial user is one that:

1. Has a process wastewater (**) flow of 25,000 gallons or more per average workday;
2. Contributes a process waste stream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the POTW;
3. Is subject to the categorical pretreatment standards; or
4. Has significant impact, either singularly or in combination with other Significant Dischargers, on the treatment works or the quality of its effluent.

** Excludes sanitary, non-contact cooling water, and boiler blowdown.

F. Toxics Management Program

1. **Biological Monitoring**

- a. In accordance with the schedule in 2. below, the permittee shall conduct annual acute and chronic toxicity tests for the duration of the permit. The permittee shall collect 24-hour flow-proportioned composite samples of final effluent from outfall 001. The acute tests to use are:

48 Hour Static Acute test using *Ceriodaphnia dubia*

48 Hour Static Acute test using *Pimephales promelas*

These acute tests shall be performed with a minimum of 5 dilutions, derived geometrically, for calculation of a valid LC_{50} . Express the result as TU_a (acute toxic units) by dividing $100/LC_{50}$ for DMR reporting.

The chronic tests to use are:

Chronic 3-Brood Static Renewal Survival and Reproduction Test using *Ceriodaphnia dubia*

Chronic 7-day Static Renewal Survival and Growth Test using *Pimephales promelas*

These chronic tests shall be conducted in such a manner and at sufficient dilutions (minimum of five dilutions, derived geometrically) to determine the "No Observed Effect Concentration" (NOEC) for survival and reproduction or growth. Results which cannot be determined (i.e., a "less than" NOEC value) are not acceptable, and a retest will have to be performed. Express the test NOEC as TU_c (chronic toxic units), by dividing $100/NOEC$ for DMR reporting. Report the LC_{50} at 48 hours and the IC_{25} with the NOECs in the test report.

The permittee may provide additional samples to address data variability during the period of initial data generation. These data shall be reported and may be included in the evaluation of effluent toxicity. Test procedures and reporting shall be in accordance with the WET testing methods cited in 40 CFR 136.3.

F. Toxics Management Program

1. **Biological Monitoring (Continued)**

- b. The test dilutions should be able to determine compliance with the following endpoints:
- (1) Acute LC₅₀ of 63% equivalent to a TU_a of 1.58.
 - (2) Chronic NOEC of 7% equivalent to a TU_c of 14.28.
- c. The test data will be evaluated by the Agency's STATS program for reasonable potential at the conclusion of test period. The data may be evaluated sooner if requested by the permittee, or if toxicity has been noted. Should evaluation of the data indicated that a limit is needed a WET limit and compliance schedule will be required and the toxicity tests of 1.a may be discontinued.

2. **Reporting Schedule:**

The permittee submit a copy of the toxicity test reports specified in this Toxics Management Program in accordance with the following schedule:

<u>Period</u>	<u>Compliance Periods</u>	<u>DMR Report Submission Dates</u>
Annual 1	By 9/30/2009	10/10/2009
Annual 2	By 9/30/2010	11/10/2010
Annual 3	By 9/30/2011	11/10/2011
Annual 4	By 9/30/2012	11/10/2012
Annual 5	By 5/30/2013	06/10/2013

WATER QUALITY CRITERIA MONITORING -- Part I Attachment A

CASRN#	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENCY
METALS						
7440-36-0	Antimony, dissolved	(3)	5		G or C	1/5 YR
7440-38-2	Arsenic, dissolved	(3)	5		G or C	1/5 YR
7440-43-9	Cadmium, dissolved	(3)	1		G or C	1/5 YR
16065-83-1	Chromium III, dissolved ⁽⁸⁾	(3)	5.0		G or C	1/5 YR
18540-29-9	Chromium VI, dissolved ⁽⁸⁾	(3)	5.0		G or C	1/5 YR
7440-50-8	Copper, dissolved	(3)	5.0		G or C	1/5 YR
7439-92-1	Lead, dissolved	(3)	1.0		G or C	1/5 YR
7439-97-6	Mercury, dissolved	(3)	0.2		G or C	1/5 YR
7440-02-0	Nickel, dissolved	(3)	5.0		G or C	1/5 YR
7782-49-2	Selenium, dissolved	(3)	5.0		G or C	1/5 YR
7440-22-4	Silver, dissolved	(3)	2.0		G or C	1/5 YR
7440-28-0	Thallium, dissolved	(4)	(5)		G or C	1/5 YR
7440-66-6	Zinc, dissolved	(3)	20		G or C	1/5 YR
PESTICIDES/PCB'S						
309-00-2	Aldrin	608	0.05		G or SC	1/5 YR
57-74-9	Chlordane	608	0.2		G or SC	1/5 YR
2921-88-2	Chlorpyrifos (synonym = Dursban)	622	(5)		G or SC	1/5 YR
72-54-8	DDD	608	0.1		G or SC	1/5 YR
72-55-9	DDE	608	0.1		G or SC	1/5 YR
50-29-3	DDT	608	0.1		G or SC	1/5 YR
8065-48-3	Demeton	(4)	(5)		G or SC	1/5 YR
60-57-1	Dieldrin	608	0.1		G or SC	1/5 YR
959-98-8	Alpha-Endosulfan	608	0.1		G or SC	1/5 YR
33213-65-9	Beta-Endosulfan	608	0.1		G or SC	1/5 YR
1031-07-8	Endosulfan Sulfate	608	0.1		G or SC	1/5 YR
72-20-8	Endrin	608	0.1		G or SC	1/5 YR

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CASRN#	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENCY
7421-93-4	Endrin Aldehyde	(4)	(5)		G or SC	1/5 YR
86-50-0	Guthion	622	(5)		G or SC	1/5 YR
76-44-8	Heptachlor	608	0.05		G or SC	1/5 YR
1024-57-3	Heptachlor Epoxide	(4)	(5)		G or SC	1/5 YR
319-84-6	Hexachlorocyclohexane Alpha-BHC	608	(5)		G or SC	1/5 YR
319-85-7	Hexachlorocyclohexane Beta-BHC	608	(5)		G or SC	1/5 YR
58-89-9	Hexachlorocyclohexane Gamma-BHC or Lindane	608	(5)		G or SC	1/5 YR
143-50-0	Kepone	(9)	(5)		G or SC	1/5 YR
121-75-5	Malathion	(4)	(5)		G or SC	1/5 YR
72-43-5	Methoxychlor	(4)	(5)		G or SC	1/5 YR
2385-85-5	Mirex	(4)	(5)		G or SC	1/5 YR
56-38-2	Parathion	(4)	(5)		G or SC	1/5 YR
11096-82-5	PCB 1260	608	1.0		G or SC	1/5 YR
11097-69-1	PCB 1254	608	1.0		G or SC	1/5 YR
12672-29-6	PCB 1248	608	1.0		G or SC	1/5 YR
53469-21-9	PCB 1242	608	1.0		G or SC	1/5 YR
11141-16-5	PCB 1232	608	1.0		G or SC	1/5 YR
11104-28-2	PCB 1221	608	1.0		G or SC	1/5 YR
12674-11-2	PCB 1016	608	1.0		G or SC	1/5 YR
1336-36-3	PCB Total	608	7.0		G or SC	1/5 YR
8001-35-2	Toxaphene	608	5.0		G or SC	1/5 YR
BASE NEUTRAL EXTRACTABLES						
83-32-9	Acenaphthene	625	10.0		G or SC	1/5 YR
120-12-7	Anthracene	625	10.0		G or SC	1/5 YR
92-87-5	Benzidine	(4)	(5)		G or SC	1/5 YR
56-55-3	Benzo (a) anthracene	625	10.0		G or SC	1/5 YR
205-99-2	Benzo (b) fluoranthene	625	10.0		G or SC	1/5 YR
207-08-9	Benzo (k) fluoranthene	625	10.0		G or SC	1/5 YR

WATER QUALITY CRITERIA MONITORING -- Part I Attachment A

CASRN#	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENCY
50-32-8	Benzo (a) pyrene	625	10.0		G or SC	1/5 YR
111-44-4	Bis 2-Chloroethyl Ether	(4)	(5)		G or SC	1/5 YR
39638-32-9	Bis 2-Chloroisopropyl Ether	(4)	(5)		G or SC	1/5 YR
85-68-7	Butyl benzyl phthalate	625	10.0		G or SC	1/5 YR
91-58-7	2-Chloronaphthalene	(4)	(5)		G or SC	1/5 YR
218-01-9	Chrysene	625	10.0		G or SC	1/5 YR
53-70-3	Dibenz(a,h)anthracene	625	20.0		G or SC	1/5 YR
84-74-2	Dibutyl phthalate (synonym = Di-n-Butyl Phthalate)	625	10.0		G or SC	1/5 YR
95-50-1	1,2-Dichlorobenzene	624	10.0		G or SC	1/5 YR
541-73-1	1,3-Dichlorobenzene	624	10.0		G or SC	1/5 YR
106-46-7	1,4-Dichlorobenzene	624	10.0		G or SC	1/5 YR
91-94-1	3,3-Dichlorobenzidine	(4)	(5)		G or SC	1/5 YR
84-66-2	Diethyl phthalate	625	10.0		G or SC	1/5 YR
117-81-7	Di-2-Ethylhexyl Phthalate	625	10.0		G or SC	1/5 YR
131-11-3	Dimethyl phthalate	(4)	(5)		G or SC	1/5 YR
121-14-2	2,4-Dinitrotoluene	625	10.0		G or SC	1/5 YR
122-66-7	1,2-Diphenylhydrazine	(4)	(5)		G or SC	1/5 YR
206-44-0	Fluoranthene	625	10.0		G or SC	1/5 YR
86-73-7	Fluorene	625	10.0		G or SC	1/5 YR
118-74-1	Hexachlorobenzene	(4)	(5)		G or SC	1/5 YR
87-68-3	Hexachlorobutadiene	(4)	(5)		G or SC	1/5 YR
77-47-4	Hexachlorocyclopentadiene	(4)	(5)		G or SC	1/5 YR
67-72-1	Hexachloroethane	(4)	(5)		G or SC	1/5 YR
193-39-5	Indeno(1,2,3-cd)pyrene	625	20.0		G or SC	1/5 YR
78-59-1	Isophorone	625	10.0		G or SC	1/5 YR
98-95-3	Nitrobenzene	625	10.0		G or SC	1/5 YR
62-75-9	N-Nitrosodimethylamine	(4)	(5)		G or SC	1/5 YR
621-64-7	N-Nitrosodi-n-propylamine	(4)	(5)		G or SC	1/5 YR

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CASRN#	CHEMICAL	EPA ANALYSIS NO.	QUANTIFICATION LEVEL ⁽¹⁾	REPORTING RESULTS	SAMPLE TYPE ⁽²⁾	SAMPLE FREQUENCY
	Strontium 90 (pCi/L)	(4)	(5)		G or C	1/5 YR
	Tritium (pCi/L)	(4)	(5)		G or C	1/5 YR
	Beta Particle & Photon Activity (mrem/yr)	(4)	(5)		G or C	1/5 YR
	Gross Alpha Particle Activity (pCi/L)	(4)	(5)		G or C	1/5 YR
ACID EXTRACTABLES ⁽⁶⁾						
95-57-8	2-Chlorophenol	625	10.0		G or SC	1/5 YR
120-83-2	2,4 Dichlorophenol	625	10.0		G or SC	1/5 YR
105-67-9	2,4 Dimethylphenol	625	10.0		G or SC	1/5 YR
51-28-5	2,4-Dinitrophenol	(4)	(5)		G or SC	1/5 YR
534-52-1	2-Methyl-4,6-Dinitrophenol	(4)	(5)		G or SC	1/5 YR
87-86-5	Pentachlorophenol	625	50.0		G or SC	1/5 YR
108-95-2	Phenol	625	10.0		G or SC	1/5 YR
88-06-2	2,4,6-Trichlorophenol	625	10.0		G or SC	1/5 YR
MISCELLANEOUS						
	Ammonia as NH3-N	350.1	200		C	1/5 YR
7782-50-5	Chlorine, Total Residual	(4)	100		G	1/5 YR
57-12-5	Cyanide, Total	(4)	10.0		G	1/5 YR
N/A	<i>E. coli</i> (N/CML)	(4)	(5)		G	1/5 YR
7783-06-4	Hydrogen Sulfide	(4)	(5)		G or SC	1/5 YR
60-10-5	Tributyltin ⁽⁷⁾	NBSR 85-3295	(5)		G or C	1/5 YR

 Name of Principal Exec. Officer or Authorized Agent/Title

 Signature of Principal Officer or Authorized Agent/Date

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. See 18 U.S.C. Sec. 1001 and 33 U.S.C. Sec. 1319. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

WATER QUALITY CRITERIA MONITORING -- Part I Attachment A

FOOTNOTES:

- (1) Quantification level (QL) is defined as the lowest concentration used for the calibration of a measurement system when the calibration is in accordance with the procedures published for the required method.

Units for the quantification level are micrograms/liter unless otherwise specified.

Quality control and quality assurance information shall be submitted to document that the required quantification level has been attained.

- (2) Sample Type

G = Grab = An individual sample collected in less than 15 minutes. Substances specified with "grab" sample type shall only be collected as grabs. The permittee may analyze multiple grabs and report the average results provided that the individual grab results are also reported. For grab metals samples, the individual samples shall be filtered and preserved immediately upon collection.

C = Composite = A 24-hour composite unless otherwise specified. The composite shall be a combination of individual samples, taken proportional to flow, obtained at hourly or smaller time intervals. The individual samples may be of equal volume for flows that do not vary by +/- 10 percent over a 24-hour period.

SC = Special Composite = samples for base/neutral/acid compounds, PCBs, and pesticides must be collected as 4 individual grab samples taken proportional to flow at 6-hour intervals over the course of one day. The individual samples may be of equal volume for flows that do not vary by +/- 10 percent over a 24-hour period. Grab samples must be analyzed separately and the concentrations averaged. Alternately, grab samples may be collected in the field and composited in the laboratory if the compositing procedure produces results equivalent to results produced by arithmetic averaging of the results of analysis of individual grab samples.

- (3) A specific analytical method is not specified; however a quantification level for each metal has been established. An appropriate method to meet the quantification level shall be selected from the following list of EPA methods (or any approved method presented in 40 CFR Part 136). If the test result is less than the QL, a "<[QL]" shall be reported where the actual analytical test QL is substituted for [QL].

<u>Metal</u>	<u>Analytical Method</u>
Antimony	1638; 1639
Arsenic	206.5; 1632
Chromium ⁽⁹⁾	1639
Cadmium	1637; 1638; 1639; 1640
Chromium VI	218.6; 1639
Copper	1638; 1640
Lead	1637; 1638; 1640
Mercury	245.7; 1631
Nickel	1638; 1639; 1640
Selenium	1638; 1639
Silver	1638
Zinc	1638; 1639

- (4) Any approved method presented in 40 CFR Part 136.
- (5) The QL is at the discretion of the permittee. For any substances addressed in 40 CFR Part 136, the permittee shall use one of the approved methods in 40 CFR Part 136.
- (6) Testing for phenol requires continuous extraction.
- (7) Analytical Methods: NBSR 85-3295 or DEQ's approved analysis for Tributyltin may also be used [See A Manual for the Analysis of Butyltins in Environmental Systems by the Virginia Institute of Marine Science, dated November 1996].

WATER QUALITY CRITERIA MONITORING -- Part I Attachment A

FOOTNOTES:

- (8) Both Chromium III and Chromium VI may be measured by the total chromium analysis. If the result of the total chromium analysis is less than or equal to the lesser of the Chromium III or Chromium VI method QL, the results for both Chromium III and Chromium VI can be reported as "<[QL]", where the actual analytical test QL is substituted for [QL].
- (9) The lab may use SW846 Method 8270D provided the lab has an Initial Demonstration of Capability, has passed a PT for Kepone, and meets the acceptance criteria for Kepone as given in Method 8270D

PART II - CONDITIONS APPLICABLE TO ALL VPDES PERMITS

A. Monitoring

1. Samples and measurements taken as required by this permit shall be representative of the monitored activity.
2. Monitoring shall be conducted according to procedures approved under Title 40 Code of Federal Regulations Part 136 or alternative methods approved by the U.S. Environmental Protection Agency, unless other procedures have been specified in this permit.
3. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals that will insure accuracy of measurements.

B. Records

1. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The individual(s) who performed the sampling or measurements;
 - c. The date(s) and time(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
2. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. This period of retention shall be extended automatically during the course of any unresolved litigation regarding the regulated activity or regarding control standards applicable to the permittee, or as requested by the Board.

C. Reporting Monitoring Results

1. The permittee shall submit the results of the monitoring required by this permit not later than the 10th day of the month after monitoring takes place, unless another reporting schedule is specified elsewhere in this permit. Monitoring results shall be submitted to:

Virginia Department of Environmental Quality
West Central Regional Office
3019 Peters Creek Road
Roanoke VA 24019-2738
2. Monitoring results shall be reported on a Discharge Monitoring Report (DMR) or on forms provided, approved or specified by the Department.

C. Reporting Monitoring Results (Continued)

3. If the permittee monitors any pollutant specifically addressed by this permit more frequently than required by this permit using test procedures approved under Title 40 of the Code of Federal Regulations Part 136 or using other test procedures approved by the U.S. Environmental Protection Agency or using procedures specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or reporting form specified by the Department.
4. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

D. Duty to Provide Information

The permittee shall furnish to the Department, within a reasonable time, any information which the Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The Board may require the permittee to furnish, upon request, such plans, specifications, and other pertinent information as may be necessary to determine the effect of the wastes from his discharge on the quality of state waters, or such other information as may be necessary to accomplish the purposes of the State Water Control Law. The permittee shall also furnish to the Department upon request, copies of records required to be kept by this permit.

E. Compliance Schedule Reports

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

F. Unauthorized Discharges

Except in compliance with this permit, or another permit issued by the Board, it shall be unlawful for any person to:

1. Discharge into state waters sewage, industrial wastes, other wastes, or any noxious or deleterious substances; or
2. Otherwise alter the physical, chemical or biological properties of such state waters and make them detrimental to the public health, or to animal or aquatic life, or to the use of such waters for domestic or industrial consumption, or for recreation, or for other uses.

G. Reports of Unauthorized Discharges

Any permittee who discharges or causes or allows a discharge of sewage, industrial waste, other wastes or any noxious or deleterious substance into or upon state waters in violation of Part II F; or who discharges or causes or allows a discharge that may reasonably be expected to enter state waters in violation of Part II F, shall notify the Department of the discharge immediately upon discovery of the discharge, but in no case later than 24 hours after said discovery. A written report of the unauthorized discharge shall be submitted to the Department, within five days of discovery of the discharge. The written report shall contain:

G. Reports of Unauthorized Discharges (Continued)

1. A description of the nature and location of the discharge;
2. The cause of the discharge;
3. The date on which the discharge occurred;
4. The length of time that the discharge continued;
5. The volume of the discharge;
6. If the discharge is continuing, how long it is expected to continue;
7. If the discharge is continuing, what the expected total volume of the discharge will be; and
8. Any steps planned or taken to reduce, eliminate and prevent a recurrence of the present discharge or any future discharges not authorized by this permit.

Discharges reportable to the Department under the immediate reporting requirements of other regulations are exempted from this requirement.

H. Reports of Unusual or Extraordinary Discharges

If any unusual or extraordinary discharge including a bypass or upset should occur from a treatment works and the discharge enters or could be expected to enter state waters, the permittee shall promptly notify, in no case later than 24 hours, the Department by telephone after the discovery of the discharge. This notification shall provide all available details of the incident, including any adverse affects on aquatic life and the known number of fish killed. The permittee shall reduce the report to writing and shall submit it to the Department within five days of discovery of the discharge in accordance with Part II I 2. Unusual and extraordinary discharges include but are not limited to any discharge resulting from:

1. Unusual spillage of materials resulting directly or indirectly from processing operations;
2. Breakdown of processing or accessory equipment;
3. Failure or taking out of service some or all of the treatment works; and
4. Flooding or other acts of nature.

I. Reports of Noncompliance

The permittee shall report any noncompliance which may adversely affect state waters or may endanger public health.

1. An oral report shall be provided within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which shall be reported within 24 hours under this paragraph:
 - a. Any unanticipated bypass; and
 - b. Any upset which causes a discharge to surface waters.
2. A written report shall be submitted within 5 days and shall contain:
 - a. A description of the noncompliance and its cause;
 - b. The period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
 - c. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

I. Reports of Noncompliance (Continued)

The Board may waive the written report on a case-by-case basis for reports of noncompliance under Part II I if the oral report has been received within 24 hours and no adverse impact on state waters has been reported.

3. The permittee shall report all instances of noncompliance not reported under Parts II I 1 or 2, in writing, at the time the next monitoring reports are submitted. The reports shall contain the information listed in Part II I 2.

NOTE: The immediate (within 24 hours) reports required in Parts II G, H and I may be made to the Department's Regional Office at (540) 562-6700 (voice) or (540) 562-6725 (fax). For reports outside normal working hours, leave a message and this shall fulfill the immediate reporting requirement. For emergencies, the Virginia Department of Emergency Services maintains a 24 hour telephone service at 1-800-468-8892.

J. Notice of Planned Changes

1. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
 - a. The permittee plans alteration or addition to any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced:
 - (1) After promulgation of standards of performance under Section 306 of Clean Water Act which are applicable to such source; or
 - (2) After proposal of standards of performance in accordance with Section 306 of Clean Water Act which are applicable to such source, but only if the standards are promulgated in accordance with Section 306 within 120 days of their proposal;
 - b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations nor to notification requirements specified elsewhere in this permit; or
 - c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
2. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

K. Signatory Requirements

1. Applications. All permit applications shall be signed as follows:
 - a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
 - b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
 - c. For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a public agency includes: (i) The chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.
2. Reports, etc. All reports required by permits, and other information requested by the Board shall be signed by a person described in Part II K 1, or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - a. The authorization is made in writing by a person described in Part II K 1;
 - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and
 - c. The written authorization is submitted to the Department.
3. Changes to authorization. If an authorization under Part II K 2 is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part II K 2 shall be submitted to the Department prior to or together with any reports, or information to be signed by an authorized representative.

K. Signatory Requirements (Continued)

4. Certification. Any person signing a document under Parts II K 1 or 2 shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

L. Duty to Comply

The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the State Water Control Law and the Clean Water Act, except that noncompliance with certain provisions of this permit may constitute a violation of the State Water Control Law but not the Clean Water Act. Permit noncompliance is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under Section 405(d) of the Clean Water Act within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if this permit has not yet been modified to incorporate the requirement.

M. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall apply for and obtain a new permit. All permittees with a currently effective permit shall submit a new application at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the Board. The Board shall not grant permission for applications to be submitted later than the expiration date of the existing permit.

N. Effect of a Permit

This permit does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any injury to private property or invasion of personal rights, or any infringement of federal, state or local law or regulations.

O. State Law

Nothing in this permit shall be construed to preclude the institution of any legal action under, or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any other state law or regulation or under authority preserved by Section 510 of the Clean Water Act. Except as provided in permit conditions on "bypassing" (Part II U), and "upset" (Part II V) nothing in this permit shall be construed to relieve the permittee from civil and criminal penalties for noncompliance.

P. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Sections 62.1-44.34:14 through 62.1-44.34:23 of the State Water Control Law.

Q. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes effective plant performance, adequate funding, adequate staffing, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

R. Disposal of Solids or Sludges

Solids, sludges or other pollutants removed in the course of treatment or management of pollutants shall be disposed of in a manner so as to prevent any pollutant from such materials from entering state waters.

S. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

T. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

U. Bypass

1. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Parts II U 2 and U 3.
2. Notice
 - a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, prior notice shall be submitted, if possible at least ten days before the date of the bypass.
 - b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part II I.
3. Prohibition of bypass.
 - a. Bypass is prohibited, and the Board may take enforcement action against a permittee for bypass, unless:
 - (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

U. Bypass (Continued)

- (2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - (3) The permittee submitted notices as required under Part II U 2.
- b. The Board may approve an anticipated bypass, after considering its adverse effects, if the Board determines that it will meet the three conditions listed above in Part II U 3 a.

V. Upset

1. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of Part II V 2 are met. A determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is not a final administrative action subject to judicial review.
2. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - a. An upset occurred and that the permittee can identify the cause(s) of the upset;
 - b. The permitted facility was at the time being properly operated;
 - c. The permittee submitted notice of the upset as required in Part II I; and
 - d. The permittee complied with any remedial measures required under Part II S.
3. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

W. Inspection and Entry

The permittee shall allow the Director, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act and the State Water Control Law, any substances or parameters at any location.

W. Inspection and Entry (Continued)

For purposes of this section, the time for inspection shall be deemed reasonable during regular business hours, and whenever the facility is discharging. Nothing contained herein shall make an inspection unreasonable during an emergency.

X. Permit Actions

Permits may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Y. Transfer of permits

1. Permits are not transferable to any person except after notice to the Department. Except as provided in Part II Y 2, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued, or a minor modification made, to identify the new permittee and incorporate such other requirements as may be necessary under the State Water Control Law and the Clean Water Act.
2. As an alternative to transfers under Part II Y 1, this permit may be automatically transferred to a new permittee if:
 - a. The current permittee notifies the Department at least 30 days in advance of the proposed transfer of the title to the facility or property;
 - b. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
 - c. The Board does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in Part II Y 2 b.

Z. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

